



# LPI

## 202-450 Exam

### LPI LPIC-2 (202) Exam

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## Version: 9.0

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### Question: 1

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On a Linux router, packet forwarding for IPv4 has been enabled. After a reboot, the machine no longer forwards IP packets from other hosts. The command:

```
echo 1 > /proc/sys/net/ipv4/ip_forward
```

temporarily resolves this issue.

Which one of the following options is the best way to ensure this setting is saved across system restarts?

- A. Add `echo 1 > /proc/sys/net/ipv4/ip_forward` to the root user login script
- B. Add `echo 1 > /proc/sys/net/ipv4/ip_forward` to any user login script
- C. In `/etc/sysctl.conf` change `net.ipv4.ip_forward` to 1
- D. In `/etc/rc.local` add `net.ipv4.ip_forward = 1`
- E. In `/etc/sysconfig/iptables-config` add `ipv4.ip_forward = 1`

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**Answer: C**

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### Question: 2

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What information can be found in the file specified by the `status` parameter in an OpenVPN server configuration file? (Choose two.)

- A. Errors and warnings generated by the `openvpn` daemon
- B. Routing information
- C. Statistical information regarding the currently running `openvpn` daemon
- D. A list of currently connected clients
- E. A history of all clients who have connected at some point

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**Answer: B,D**

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### Question: 3

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Which of the following lines in the `sshd` configuration file should, if present, be changed in order to increase the security of the server? (Choose two.)

- A. `Protocol 2, 1`
- B. `PermitEmptyPasswords no`
- C. `Port 22`
- D. `PermitRootLogin yes`
- E. `IgnoreRhosts yes`

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**Answer: A,D**

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**Question: 4**

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Which of the following nmap parameters scans a target for open TCP ports? (Choose two.)

- A. -sO
- B. -sZ
- C. -sT
- D. -sU
- E. -sS

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**Answer: C,E**

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**Question: 5**

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Which of the statements below are correct regarding the following commands, which are executed on a Linux router? (Choose two.)

```
ip6tables -A FORWARD -s fe80::/64 -j DROP
```

```
ip6tables -A FORWARD -d fe80::/64 -j DROP
```

- A. Packets with source or destination addresses from fe80::/64 will never occur in the FORWARD chain
- B. The rules disable packet forwarding because network nodes always use addresses from fe80::/64 to identify routers in their routing tables
- C. ip6tables returns an error for the second command because the affected network is already part of another rule
- D. Both ip6tables commands complete without an error message or warning
- E. The rules suppress any automatic configuration through router advertisements or DHCPv6

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**Answer: D,E**

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**Question: 6**

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What option in the client configuration file would tell OpenVPN to use a dynamic source port when making a connection to a peer?

- A. src-port
- B. remote
- C. source-port
- D. nobind
- E. dynamic-bind

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**Answer: D**

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**Question: 7**

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Which Linux user is used by vsftpd to perform file system operations for anonymous FTP users?

- A. The Linux user which runs the vsftpd process
- B. The Linux user that owns the root FTP directory served by vsftpd
- C. The Linux user with the same user name that was used to anonymously log into the FTP server
- D. The Linux user root, but vsftpd grants access to anonymous users only to globally read-/writeable files
- E. The Linux user specified in the configuration option ftp\_username

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**Answer: E**

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**Question: 8**

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Which of the following sshd configuration should be set to no in order to fully disable password based logins? (Choose two.)

- A. PAMAuthentication
- B. ChallengeResponseAuthentication
- C. PermitPlaintextLogin
- D. UsePasswords
- E. PasswordAuthentication

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**Answer: B,E**

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**Question: 9**

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When the default policy for the netfilter INPUT chain is set to DROP, why should a rule allowing traffic to localhost exist?

- A. All traffic to localhost must always be allowed
- B. It doesn't matter; netfilter never affects packets addressed to localhost
- C. Some applications use the localhost interface to communicate with other applications
- D. syslogd receives messages on localhost
- E. The iptables command communicates with the netfilter management daemon netfilterd on localhost to create and change packet filter rules

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**Answer: C**

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**Question: 10**

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CORRECT TEXT

What command creates a SSH key pair? (Specify ONLY the command without any path or parameters)

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**Answer: ssh-keygen**

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**Question: 11**

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The content of which local file has to be transmitted to a remote SSH server in order to be able to log into the remote server using SSH keys?

- A. ~/.ssh/authorized\_keys
- B. ~/.ssh/config
- C. ~/.ssh/id\_rsa.pub
- D. ~/.ssh/id\_rsa
- E. ~/.ssh/known\_hosts

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**Answer: A**

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